

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/035693

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A62B18/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A62B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/092170 A (MINE SAFETY APPLIANCES COMPANY) 21 November 2002 (2002-11-21) page 10, line 6 - page 14, line 2	1-23
X	US 5 924 420 A (REISCHEL ET AL) 20 July 1999 (1999-07-20) column 4, line 5 - line 19	1-12
X	WO 99/21618 A (SCOTT TECHNOLOGIES, INC) 6 May 1999 (1999-05-06)	1,5,8-12
Y	the whole document	2-4,6,7, 13-23
Y	WO 87/01950 A (PROTECTOR SAFETY LIMITED) 9 April 1987 (1987-04-09) the whole document	2-4,6,7, 13-23

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

9 March 2005

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